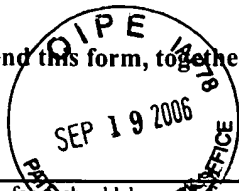


## PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, Virginia 22313-1450**  
 or **Fax** (571)-273-2885



INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence regarding the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

6980

7590

08/22/2006

TROUTMAN SANDERS LLP  
 600 PEACHTREE STREET, NE  
 ATLANTA, GA 30308

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

## Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Kimberly L. Weems	(Depositor's name)
<i>Kimberly L. Weems</i>	(Signature)
September 15, 2006	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/713,718

11/14/2003

Derek A. Thompson

INTEL17

2065

TITLE OF INVENTION: SYSTEM AND METHOD FOR DYNAMIC RANK SPECIFIC TIMING ADJUSTMENTS FOR DOUBLE DATA RATE (DDR) COMPONENTS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$0	\$0	\$1400	11/22/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
CAMPOS, YAIMA	2185	711-169000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Troutman Sanders LLP

2 Gerald R. Boss

3 James Hunt Yancey, Jr.

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

01 FC:1501

1400.00 UP

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Intel Corporation

Santa Clara, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☒ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☒ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 20-1507 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature \_\_\_\_\_

Date

15 SEPTEMBER 2006

Typed or printed name

James Hunt Yancey, Jr.

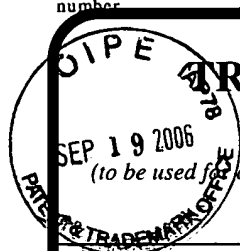
Registration No.

53,809

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number	10/713,718
Filing Date	14 November 2003
First Named Inventor	THOMPSON, Derek et al.
Group Art Unit	2185
Examiner Name	CAMPOS, Yaima
Attorney Docket Number	INTEL1

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Completed Form PTOL-85 (PART B) (1 sheet); Check No. 391201 for \$1400.00; Submission Of Issue Fee (2 pages); Return Receipt Postcard
<b>Remarks:</b>		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Troutman Sanders, LLP James Hunt Yancey, Jr., USPTO Reg. No. 53,809		
Signature			
Date	15 September 2006		

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service(USPS) with sufficient postage for first class mail on 15 September 2006 in an envelope addressed to Mail Stop ISSUE FEE, Commissioner for Patents, P.O. Box 1450 Alexandria, Virginia 22313-1450 in accordance with §1.8. The person signing the certificate has a reasonable basis to expect that the correspondence will be delivered to Addressee, and was deposited the USPS on the date indicated.

Signature			
Typed or printed name	Kimberly L. Weems	Date	15 September 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 36 U.S.C. 1.11 and 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>FEE TRANSMITTAL</b> <b>FOR FY 2006</b> <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		<b>Complete if Known</b>	
		Application Number	10/713,718
		Filing Date	14 November 2006
		First Named Inventor	THOMPSON, Derek et al.
		Examiner Name	CAMPOS, Yaima
<b>TOTAL AMOUNT OF PAYMENT</b> (\$1400.00)		Art Unit	2185
		Attorney Docket No.	INTEL1

**METHOD OF PAYMENT (check all that apply)**
☒ Check    ☐ Credit Card    ☐ Money Order    ☐ None    ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account    Deposit Account number: 20-1507    Deposit Account Name: Troutman Sanders LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below☐ Charge fee(s) indicated below, except for the filing fee☒ Charge any additional fee(s) or underpayments of fee(s)☒ Credit any overpayments**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038**FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Small Entity Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<b>Total Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>	<b>Multiple Dependent Claims</b>
- 20 or HP = _____ x _____ = _____				<b>Fee (\$)</b> <b>Fee Paid (\$)</b>

HP = highest number of total claims paid for, if greater than 20

<b>Indep. Claims</b>	<b>Extra Claims</b>	<b>Fee (\$)</b>	<b>Fee Paid (\$)</b>
- 3 or HP = _____ x _____ = _____			

HP = highest number of total claims paid for, if greater than 20

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<b>Total Sheets</b>	<b>Extra Sheets</b>	<b>Number of each additional 50 or fraction thereof</b>	<b>Fee (\$)</b>	<b>Fee paid (\$)</b>
- 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Issue Fee (\$1400.00)

**Fees Paid (\$)**

1400.00

**SUBMITTED BY**

Signature

Registration No. 53,809  
(Attorney/Agent)

Telephone 404.885.3696

Name (Print/Type) JAMES HUNT YANCEY, JR.

Date 15 September 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2



## PATENTS

Customer No.: 48510

Docket No.: INTEL1

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	)	Confirmation No.: 2065
	)	
THOMPSON, Derek <i>et al.</i>	)	Group Art Unit: 2185
	)	
Serial No.: 10/713,718	)	Examiner: CAMPOS, Yaima
	)	
Filed: 14 NOVEMBER 2003	)	
	)	Assignee: INTEL Corporation
Title: SYSTEM AND METHOD FOR	)	
DYNAMIC RANK SPECIFIC TIMING	)	
ADJUSTMENTS FOR DOUBLE DATA	)	
RATE (DDR) COMPONENTS	)	

In accordance with 37 C.F.R. § 1.8, I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Mail Stop ISSUE FEE, P.O. Box 1450, Alexandria, VA 22313-1450 on 15 September 2006.

  
James Hunt Yancey, Jr. USPTO Reg. No. 53,809

### SUBMISSION OF ISSUE FEE

Commissioner for Patents  
Mail Stop ISSUE FEE  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Honorable Sir:

In response to the Notice of Allowance, mailed 22 August 2006, allowing Claims 1-13 and 15-20 in US Application No. 10/713,718 Applicants submit the following:

1. Completed Form PTOL-85 (1 page);
2. Fee Transmittal Form (1 page);

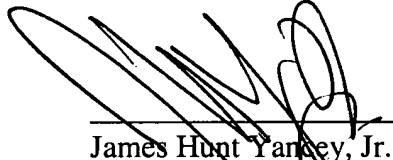
3. Check No. 389485 for \$1400.00 for Issue fee;
4. Transmittal Form (1 page); and
5. Return receipt postcard.

Regarding the Examiner's comments on the Allowance of Claims 1-13 and 15-20, Applicant acknowledges the Examiner's comments. Applicant does not concede or admit, however, that the Examiner's comments are accurate or apply to all of the allowed claims, nor that the stated reasons are the only reasons for allowability of the Claims. *See Salazar v. Procter & Gamble Co.*, 414 F.3d 1342 (Fed. Cir. 2005).

Applicant does not believe any further fees are due. However, the Commissioner is authorized to debit Deposit Account No. 20-1507 if any additional fees are deemed due.

Respectfully submitted,

TROUTMAN SANDERS LLP



James Hunt Yancey, Jr.  
USPTO Registration No. 53,809  
Attorney for Intel Corporation

TROUTMAN SANDERS LLP  
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Atlanta, Georgia 30308-2216  
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**DATE: 15 September 2006**